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August 28th, 1958

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Att: [ ] - Senior Project Engineer

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☐ DECL ☒ REVW ON 21/07/2010  
 EXTENDED BY SAME  
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Dear Sir:

We are writing you at the request of [ ] our Applications Engineer who has discussed these matters with you.

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In an ambient temperature range of 40 - 90<sup>o</sup> F we would expect approximately normal shelf life with somewhat better charge retention at the lower temperature. This would be as follows:

Button cells and VO sealed cells

2 weeks - 75% - 30 days - 60% - 90 days - 40%

If vented VO cells are used there is substantial improvement as follows:

2 weeks - 85% - 30 days - 70% - 90 days - 60%

In regard to the rating of our button type cells these are conservative and can be substantially exceeded under conditions of very long low rate charging and low rate discharging. However, since various applications may involve their use under varying conditions the ratings are established so that they can be achieved under unknown conditions of operation.

We would not recommend the use of Mylar as a means of constricting button cells even though only 2 or 3 charging cycles are contemplated. However, if the cells were connected with welded connectors and placed in an enclosure which was insulated and also restricted their expansion in a direction perpendicular to their diameter, this would offer the minimum possible dimensions and weight.

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We trust the above is of assistance to you. Should you require any further information, please feel free to contact us or [ ]

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Very truly yours,

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